THE WEST COAST PAPER MILLS LTD.,
Regd. Office & Works : P.B. No.5, Bangur Nagar, DANDELI-581 325. Dist. Uttar Kannada (Karnataka) India
Grams : "KAGAJMILL". Phone Nos. : (08284) 231391 - 395 (5 Lines)
Fax Nos. : 08284 - 231 225 (Admn. Off.) 232150 (Sales A/c.s) 230443 (Works Off.) 232148 (Paper Godown)

ISO 9001/14001
OHSAS - 18001
DNV CERTIFIED

ZZH/CLAB-KSPCB/04/ 12259
07-06-2014

Environmental Officer,
Regional Office,
Karnataka State Pollution Control Board
" Parisara Bhavan" , LIG – II, B – 217
B-1, Main Road, A-16th Cross
Near Hari Om Trust, Habbuwada
KARWAR – 581 303

Speed Post With A D

Gentleman:

Sub : Water pollution Control Report

We are Sending herewith the following for the month of **May 2014**

1) The weekly analysis report of treated mill effluent (including sewage).
2) Daily readings of on-line meter of D.O., pH, Temperature & flow at single point discharge, with Energy consumption.
3) Up stream & Downstream water quality monitoring report of Kali River.

" We certify that no trade effluent , sewage effluent, Solid waste is being discharged outside the premises without treatment directly or indirectly".

We hope you will find this in order.

Thanking You,

Very Truly yours,
WEST COAST PAPER MILLS LTD

KL CHANDAK
EXECUTIVE DIRECTOR

Corporate Office : Chandrakiran, 4th Floor, 10-A, Kasturba Road, Bangalore-560 001
Phone Nos. : 080-22231828 to 1837, 22211760. Fax : 080-22231838. Grams : KAGAJCO.

THE WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (IPC)

Report of analysis of treated effluent along with treated sewage showing performance of the treatment plant for the month of **May-2014**

sample collected & tested by CENTRAL LABORATORY (IPC)

SL.No.	Pollution parameters as mentioned in the condition imposed under consent granted under section 25/26 of the water (prevention & control of pollution) Act 1974.		Maximum permissible limits or ranges allowed as per consent conditions.		concentration or range of parameters as per report.			
					I Week	II Week	III Week	IV Week
A	***Industrail effluent***							
1	Colour & Odour		All efforts to remove colour & odour as far as practicable		71 CPU and odourless			
2	Suspended solids	mg/l	50.0	[max]	36	38	36	37
3	Particle size of suspended solids	mg/l	Shall pass through 850 microns IS sieve		<850	<850	<850	<850
4	Dissolved solids [inorganics]	mg/l	2100	[max]	708	734	726	740
5	Temperature	^{o} C	Shall not exceed 40 ^{o} C in any section of the stream within 15 mts. Down stream from the effluent outlet		33	33	33	34
6	pH value		7.0 - 8.5		7.3	7.4	7.3	7.3
7	Oil & Greese	mg/l	10.0	[max]	Nil	Nil	Nil	Nil
8	Total residual chlorine	mg/l	1.0	[max]	Nil	Nil	Nil	Nil
9	Ammonical Nitrogen [as N]	mg/l	50.0	[max]	Nil	Nil	Nil	Nil
10	Total Kjeldhal Nitrogen [as N]	mg/l	100.0	[max]	1.0	1.2	1.1	1.0
11	Free Ammonia [as NH_3]	mg/l	5.0	[max]	Nil	Nil	Nil	Nil
12	Bio Chemical Oxygen Demand [5 days at 20 ^{o} C]	mg/l	30.0	[max]	24	23	25	23
13	Chemical Oxygen Demand	mg/l	250.0	[max]	121	133	128	131
14	Chloride [as Cl]	mg/l	350.0	[max]	128	126	136	138
15	Dissolved Phosphate [as P]	mg/l	5.0	[max]	Nil	Nil	Nil	Nil
16	Sulphate [as SO_4]	mg/l	1000.0	[max]	36	30	32	38
17	Sulphide [as S]	mg/l	2.0	[max]	Nil	Nil	Nil	Nil
18	Phenolic compound [as C_6H_5OH]	mg/l	1.0	[max]	Nil	Nil	Nil	Nil
19	Bio assay		Not Less than 90% of the test animal shall survive in 96 hrs test. The test shall be conducted as per IS 6582		Free from toxic matreials as all test fishes survived after 96 hrs			

Date : 07/06/14

Signature: K.L. Chandak

Name : K L CHANDAK
Executive Director.

Address : The West Coast Paper Mills Ltd.,
Bangur Nagar DANDELI . (U.K.) 581-325

THE WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (IPC)

Report on daily discharge, pH. DO & temperature of combined treated effluent for the month of May – 2014

SL.No	Date	Treated mill effluent				Total
		Flow m^3/Day	pH	D.O ppm	Temp ° C	Energy Consumption
1	1-May-14	60,266	7.2	3.7	33	15802
2	2-May-14	63,781	7.3	3.8	34	16193
3	3-May-14	62,230	7.3	3.9	34	17924
4	4-May-14	65,621	7.3	3.6	33	17457
5	5-May-14	63,079	7.3	3.7	33	18685
6	6-May-14	66,623	7.3	4.1	33	19937
7	7-May-14	64,955	7.4	3.9	33	17909
8	8-May-14	64,272	7.3	3.7	33	18410
9	9-May-14	63,170	7.3	3.8	33	17114
10	10-May-14	63,863	7.2	3.7	33	15403
11	11-May-14	59,751	7.3	3.8	33	15329
12	12-May-14	71,291	7.2	3.8	33	19244
13	13-May-14	70,561	7.3	3.7	33	19663
14	14-May-14	68,063	7.2	3.8	33	18914
15	15-May-14	66,191	7.3	4.0	33	18396
16	16-May-14	67,530	7.3	3.7	34	18205
17	17-May-14	68,097	7.3	3.8	34	21013
18	18-May-14	66,595	7.4	3.7	34	17491
19	19-May-14	68,324	7.2	3.9	33	16578
20	20-May-14	68,560	7.2	3.8	33	17423
21	21-May-14	67,767	7.4	3.6	34	17894
22	22-May-14	67,712	7.4	3.8	34	21337
23	23-May-14	69,859	7.4	3.9	33	18832
24	24-May-14	69,236	7.3	3.6	33	18574
25	25-May-14	68,308	7.3	3.9	34	17578
26	26-May-14	68,899	7.3	3.8	34	18112
27	27-May-14	68,231	7.2	4.1	33	19640
28	28-May-14	68,717	7.2	3.8	33	18473
	29-May-14	65,004	7.2	4.2	33	19331
29	30-May-14	70,943	7.2	4.1	33	18329
30	31-May-14	65,501	7.3	4.0	33	16810
Average For the Day		**66,548**	**7.3**	**3.8**	**33**	18129

Date : 07/06/14

Signature:

Name : K L CHANDAK
Executive Director.

Address : The West Coast Paper Mills Ltd.,
Bangur Nagar DANDELI . (U.K.) 581-325

THE WEST COAST PAPER MILLS LIMITED, DANDELI

Central Laboratory (IPC)

Date of sample collection: 20-05-2014

Kali river upstream & Down stream water samples analysis report.
Samples collected jointly by KSPCB officials & Central Laboratory (IPC) personnel on **20-05-2014**

SL.No.	Parameter		Upstream	Downstream	
				Kariempalli Village	Harnoda Village
1	pH		7.5	7.4	7.5
2	Colour		Clear	Clear	Clear
3	Odour		No Odour	No Odour	No Odour
4	Suspended Solids	ppm	22	23	20
5	Dissolved Solids	ppm	66	70	68
6	Total Solids	ppm	88	93	88
7	Hardness as CaCO3	ppm	36	40	42
8	Alkalinity (M.O)as CaCO3	ppm	44	48	46
9	Chloride as Cl	ppm	142.0	138.0	140.0
10	Sulphate as SO4	ppm	13.8	14.2	15.0
11	Turbidity	NTU	20	20	20
12	Sp. Conductivity	μs	15.9	16.2	16.5

Date : 7/6/2014

Signature;

Name: **K L CHANDAK**
Executive Director.

Address: **The West Coast Paper Mills Ltd.,**
Bangur Nagar DANDELI . (U.K.) 581-325

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ZZH/CLAB-KSPCB/04/ 12260
07-06-2014

Environmental Officer,
Regional Office,
Karnataka State Pollution Control Board
" Parisara Bhavan" , LIG – II, B – 217
B-1, Main Road, A-16th Cross
Near Hari Om Trust, Habbuwada
KARWAR – 581 303

Speed Post With A D

Gentleman:

Sub : Air Pollution Control Report

We are sending herewith the following for the month of **May 2014**

1) Analysis report of stack emission showing the performance of the Air pollution control equipments / Instruments.
2) The Ambient Air Quality Monitoring report & meteorological report.
3) Month wise Fly ash & Bottom ash generation quantity & disposal quantity to different parties in MT.
4) The AAQM report copy of third party.

Hope you will find this in order.

Thanking You,

Very truly yours,
THE WEST COAST PAPER MILLS LTD

KL CHANDAK
EXECUTIVE DIRECTOR

THE WEST COAST PAPER MILLS LIMITED

CENTRAL LABORATORY (IPC)

Report analysis of stack emission showing performance of air pollution control for the month of

May-2014

Tested by Central Laboratory (IPC)

Stack No.	Stack attached to.	Rate of Emission Nm^3/ hr		Constituents to be controlled in emission.	Tolerance Limit mg/Nm^3	
		Tolerance	Achieved		Tolerance	Achieved
1	Chemical Recovery Boiler-I	1,25,000	105,826	Particulates	150	67
				H_2S	10	1.10
2	Chemical Recovery Boiler -II	2,25,720	217,061	Particulates	150	90
				H_2S	10	1.28
3	Rotary Lime Kiln-I	20,000	17,681	Particulates	150	72
4	Rotary Lime Kiln -II	39,600	36,720	Particulates	150	74
5	Smelt Dissolving vent - I	6,500	17,120	Particulates	150	83
6	Smelt Dissolving vent -II	-	17,773	Particulates	150	80
7	FBC Boiler - I	92,000	Shut	Particulates	150	Shut
				SO_2	-	Shut
8	FBC Boiler - II	1,23,912	Shut	Particulates	150	Shut
				SO_2	-	Shut
9	FBC Boiler - III	-	135,591	Particulates	50	42
				SO_2	-	738
10	FBC Boiler - IV	1,44,108	127,815	Particulates	150	81
				SO_2	-	870
11	3.8 MW DG set	-	-	-	-	Being Sold
12	4.0 MW DG set	-	-	-	-	Being Sold
13	4.04 MW DG set	-	-	-	-	Being Sold

Date : 07/06/14

Signature K.L. Chandak

Name : **K L CHANDAK**
Executive Director.

Address : **The West Coast Paper Mills Ltd.,**
Bangur Nagar DANDELI . (U.K.) 581-325

THE WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (IPC)

Report of the analysis of Ambient Air Quality & Meteorological data for the month of

May-2014

SL.No.	Characteristic	NAAQ STD	Unit	Fire station	P.M/c Old Clarifier	P.MIll Old Clarifier	Kerwad Village
I	Ambient Air Quality						
	i] Suspended Particulate Matter PM 2.5	60	$\mu g/m^3$	32.0	35.0	31.0	30.0
	ii] Suspended Particulate Matter PM 10	100	$\mu g/m^3$	64.0	70.0	64.0	64.0
	iv] Sulphur Dioxide [SO_2]	80	$\mu g/m^3$	12.0	11.0	11.0	18.0
	v] Oxidies of Nitrogen[NOx]	80	$\mu g/m^3$	22.0	20.0	15.0	20.0
	vi] Hydrogen Sulphide [H_2S]	-	$\mu g/m^3$	ND	ND	ND	ND
				1 st Week	2nd Week	3rd Week	4th Week
II	Meteorological Data						
	i] Wind Velocity	-	KM/hr	2.27	3.30	3.15	3.10
	ii] Wind Direction	-					
	iii] Temperature		° C				
	Maximum	-		36.0	35.0	35.0	33.5
	Minimum	-		20.5	20.5	21.0	20.5
	iv] Relative Humidity,		%				
	Maximum						
	Morning	-		89	88	93	88
	Evening	-		80	87	78	79
	Minimum						
	Morning	-		77	80	74	84
	Evening	-		70	67	65	69
	Total Rainfall	-	cms	4.570	2.950	4.225	2.425

Date : 07/06/14

Signature:

Name : **K L CHANDAK**
Executive Director.

Address : **The West Coast Paper Mills Ltd.,**
Bangur Nagar DANDELI . (U.K.) 581-325

The West Coast Paper Mills Ltd Dandeli
Central laboratory (IPC)

Details of Fly ash & Bottom ash generation & Disposal practice for the month of May 2014 & for the year 2014-2015.

S.No	Particulars	2014 – 2015			
		Quantity of Bottom ash (Eco ash), MT		Quantity of Fly ash, MT	
		For the Month	For the Year	For the Month	For the Year
1.0	**Total Quantity of Fly ash & Eco Ash Generated**	**1,467**	**3,074**	**2,443**	**5,193**
2.0	**Disposal Details**				
2.1.0	**Cement Industries**				
2.1.1	Katwa Cement , Yadwad	Nil	**Nil**	Nil	**Nil**
2.1.2	Kanori Cement , Bagalkot	60	**114**	Nil	**18**
2.1.3	Channageri Cement Mudhol	Nil	**Nil**	Nil	**Nil**
2.1.4	Balaji Traders	Nil	**Nil**	Nil	**Nil**
2.1.5	**Sub Total Sl.No 2.1.0 (SI. No 2.1.1 to 2.1.4)**	60	**114**	Nil	**18**
2.2.0	**Brick / Block manufacturing Industries**				
2.2.1	Hubli	Nil	**68**	589	**1,422**
2.2.2	Kali Nirmiti Kendra , Dandeli / Nearby area	1138	**2,308**	1,242	**2,574**
2.2.3	Others	269	**584**	612	**1,179**
2.2.4	**Sub Total Sl.No 2.2.0 (SI. No 2.2.1 to 2.2.3)**	1,407	**2,960**	2,443	**5,175**
2.3.0	**Disposal into pits**				
2.3.1	Agri/Uni./Rampur	Nil	**Nil**	Nil	**Nil**
2.3.2	**Sub Total SI.No 2.3.0 (SI . No 2.3.1)**	Nil	**Nil**	Nil	**Nil**
3.0	**Grand Total Of Disposed quantity SI.No (SI. No 2.1.6+2.2.4+2.3.2)**	**1,467**	**3,074**	**2,443**	**5,193**

Date : **07/06/14**

Signature

Name : **K L CHANDAK**
Executive Director.

Address : **The West Coast Paper Mills Ltd.,**
Bangur Nagar DANDELI . (U.K.) 581-325

ABD LABORATORIES PVT. LTD.,

#68-H2 (I), Hootagalli Industrial Area, Mysore - 570 018. INDIA
Phone : +91 821 240 4844 Tele Fax : +91 821 240 4844
E-mail : abdlabs@yahoo.co.in Website : www.abdlaboratories.com
E-mail : abdlabs.ac@gmail.com

ISO 9001:2008 ISO 14001:2004

"A" Grade Empanelled Laboratory by KSPCB

TEST CERTIFICATE

ABDL/A/F/16/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Customer Name : **The West Coast Paper Mill Ltd.,**
   PB. No. 5, Bangur Nagar,
   Dandeli-581325
2. Location : Near Fire Station
3. Sample Collected : ABD Laboratories Pvt. Ltd.
4. Date Of Collection : 24/04/2014
5. Particulars of sample collected : Respirable Dust Sampler-Envirotech
   Model APM 460 BL
   Fine particulate sampler APM 550
6. Date of sample Receipt : 25/04/2014
7. Date of Analysis Started : 25/04/2014
8. Date of Analysis Completed : 26/04/2014
9. Sample Number : 43/TC-43
10. Report Date : 26/04/2014
11. Method Adopted : IS Protocol

SL. No.	Parameters	Units	Results	KSPCB Standards
1	Period Of Sampling	hrs	08	-----
2	Particulate Matter – 10	$\mu g/m^3$	58	100
3	Particulate Matter – 2.5	$\mu g/m^3$	18.02	60
4	Oxides Of Sulphur	$\mu g/m^3$	20.36	80
5	Oxides Of Nitrogen	$\mu g/m^3$	30.36	80
6	Ammonia	$\mu g/m^3$	22.80	400
7	Benzene	$\mu g/m^3$	BDL	05
8	Benzo (a) Pyrene	ng/m^3	BDL	01
9	Arsenic	ng/m^3	BDL	06
10	Nickel	ng/m^3	0.276	20
11	Carbon Monoxide	ng/m^3	0.166	02
12	Lead	$\mu g/m^3$	BDL	01
13	Ozone	ng/m^3	19.13	100
14	Mercaptans	$\mu g/m^3$	BDL	-----

INFERENCE	As per KSPCB Standards, the measured values for the above parameters are within limits.

Nagavalli I D
Technical Manager
Authorised Signatory

Note : 1. The results listed refer only to the tested sample (s). Endorsement of products neither inferred nor implied.
2. Total liability of our Institute is limited to the invoice amount.
3. Samples will be retained for one month unless and otherwise specified. Perishable samples will not be retained.
4. This report is not be reproduced wholly or in part & cannot be used as an evidence in Court of Law & should not be used in any advertising media without our prior special permission in writing.

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ZZH/CLAB-KSPCB/04/ 12261
07-06-2014

Environmental Officer
Regional Office,
Karnataka State Pollution Control Board
" Parisara Bhavan" , LIG – II, B – 217
B-1, Main Road, A-16th Cross
Near Hari Om Trust, Habbuwada
KARWAR – 581 303

Speed Post With A D

Gentleman:

Sub : Analysis report of treated trade effluent collected Jointly by K.S.P.C.B. official & mills.

We are enclosing herewith our analysis report of above mentioned sample collected jointly by K.S.P.C.B. Official & mills on **20 th May 2014.**

Hope you will find this in order.

Thanking You,

Very Truly yours,
THE WEST COAST PAPER MILLS LTD

KL CHANDAK
EXECUTIVE DIRECTOR

Corporate Office : Chandrakiran, 4th Floor, 10-A, Kasturba Road, Bangalore-560 001
Phone Nos. : 080-22231828 to 1837, 22211760. Fax : 080-22231838. Grams : KAGAJCO.

THE WEST COAST PAPER MILLS LIMITED, DANDELI
Central Laboratory (IPC)

Analysis report of treated trade effluent along with treated colony sewage
(samples collected jointly by K.S.P.C.B. officials KARWAR and Central Laboratory-IPC)
personnel on **20-05-2014.**

SL.No	Pollutants as specified in consent condition		Tolerance Limits		Pollutants Concentration
A	***Industrail effluent***				
1	Colour & Odour		All efforts to remove colour & odour as far as practicable		75 CPU & odourless
2	Suspended solids	mg/l	50.0	[max]	34
3	Particle size of suspended solids	mg/l	Shall pass through 850 microns IS sieve		Less than 850 μ
4	Dissolved solids [inorganics]	mg/l	2100	[max]	674
5	Temperature	^{o} C	Shall not exceed 40 ^{o} C in any section of the stream within 15 mts. Down stream from the effluent outlet		33
6	pH value		7.0 - 8.5		7.5
7	Oil & Greese	mg/l	10.0	[max]	Nil
8	Total residual chlorine	mg/l	1.0	[max]	Nil
9	Ammonical Nitrogen [as N]	mg/l	50.0	[max]	Nil
10	Total Kjeldhal Nitrogen [as N]	mg/l	100.0	[max]	1.3
11	Free Ammonia [as NH_3]	mg/l	5.0	[max]	Nil
12	Bio Chemical Oxygen Demand [5 days at 20 ^{o} C]	mg/l	30.0	[max]	20
13	Chemical Oxygen Demand	mg/l	250.0	[max]	119
14	Chloride [as Cl]	mg/l	350.0	[max]	126
15	Dissolved Phosphate [as P]	mg/l	5.0	[max]	0.02
16	Sulphate [as SO_4]	mg/l	1000.0	[max]	38
17	Sulphide [as S]	mg/l	2.0	[max]	Nil
18	Phenolic compound [as C_6H_5OH]	mg/l	1.0	[max]	Nil
19	Bio assay		Not Less than 90% of the test animal shall survive in 96 hrs test. The test shall be conducted as per IS 6582		Free from toxic matreials as all test fishes survived after 96 hrs

Date : **07/06/14**

Signature

Name : **K L CHANDAK**
Executive Director.

Address : **The West Coast Paper Mills Ltd.,**
Bangur Nagar DANDELI . (U.K.) 581-325

THE WEST COAST PAPER MILLS LTD.,
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ZZH/CLAB-KSPCB/04/ 12258

07-06-2014

Senior Environmental Officer,
Hazardous waste cell,
Karnataka State Pollution Control Board
49, Parisara Bhavan,
4th & 5th Floor,
Church Street
Bangalore 560 001

Gentleman:

Sub : Details of Waste Oil & Waste Oil sludge under the provisions of Hazardous waste (Management, Handling & Transboundary Movement) Rule- 2008 amended 2010

We are sending herewith the following for the month of **May 2014**

1) Quantity of storage & transportation details of Waste Oil.
2) Quantity of Waste oil sludge reprocessed on our RLK.
3) E – Waste generation and Disposal details.

We hope you will find this in order.

Thanking You,

Very Truly yours,
THE WEST COAST PAPER MILLS LTD

KL CHANDAK
EXECUTIVE DIRECTOR

Corporate Office : Chandrakiran, 4th Floor, 10-A, Kasturba Road, Bangalore-560 001
Phone Nos. : 080-22231828 to 1837, 22211760. Fax : 080-22231838. Grams : KAGAJCO.

The West Coast Paper Mills Ltd Dandeli

Central Laboratory (IPC)

Details of Lubricating waste oil And Furnance oil sludge

May-2014

S.No	Particulars	Quantity (KL)	
		For the Month	**For the Year from April 2014 to March 2015**
I	**LUBRICATING WASTE OIL**		
1.0	Total generation	Nil	Nil
2.0	Total Quantity Disposed	Nil	Nil
2.3	Balance in storage yard	Nil	Nil
II	**FURNANCE OIL SLUDGE**		
1.0	Total generation	Nil	Nil
2.0	Total Quantity Disposed		
2.1	Recycled in RLK	Nil	Nil
2.2	Closing Balance	Nil	Nil
III	**E – Waste**	**Quantity (MT)**	
			For the Year from April 2014 to March 2015
2.0	Total Quantity Disposed	Nil	Nil
IV	**Scrap Batteries**	**For the Month**	**For the Year from April 2014 to March 2015**
1.0	Total Quantity Disposed	Nil	Nil

Date : 07/06/14

Signature

Name : **K.L. Chandak**
Executive Director.

Address : The West Coast Paper Mills Ltd ., Dandeli
Bangur Nagar DANDELI (U.K.) 581325